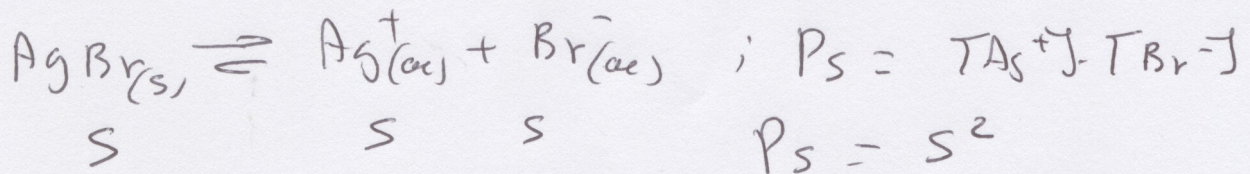
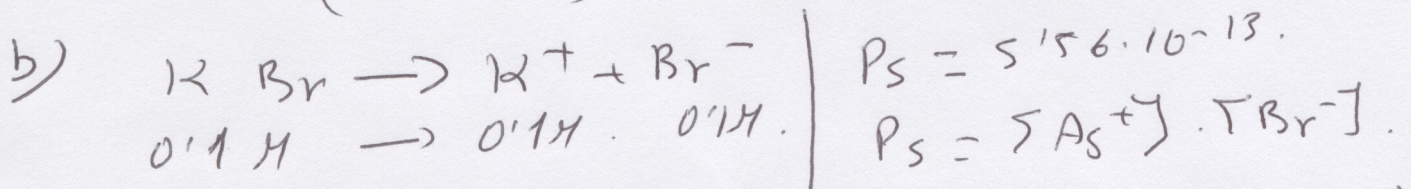


$$(12) \quad \text{AgBr} \Rightarrow S \Rightarrow 1'4 \cdot 10^{-4} \text{g/L} \cdot \frac{1 \text{ mol}}{187'7 \text{g}} = 7'46 \cdot 10^{-7} \text{M}$$



a)

$$P_S = (7'46 \cdot 10^{-7})^2 = 5'56 \cdot 10^{-13}$$



$$\begin{array}{c} \text{AgBr} \rightleftharpoons \text{Ag}^+ + \text{Br}^- \\ S' \quad S' \quad S' \end{array} \quad / \quad 5'56 \cdot 10^{-13} = S' \cdot (0'1 + S')$$

$$S' = \frac{5'56 \cdot 10^{-13}}{0'1} = 5'56 \cdot 10^{-12}$$